

Solar Sails

A Perspective from NASA HQ

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Roadmap

Change:

Exploration

Reorganization

Sun-Earth Systems Division

Earth Sciences - 6 research focus areas

Sun-Solar System Connections

30 operating missions

25 missions in development

Annual budget ~2.6 B\$

NASA's Strategic Questions, Compelling Questions Drive Exploration:

How did we get here?

Where are we going?

Are we alone?

Issues for sails -

Renewable fuel source

Location, Location, Location

Resolution of time-space ambiguity

Compelling Questions Driving Sun-Earth System Division Activities:

Is the population of Earth sustainable with the natural resource of the Sun-Earth System?

Are the actions or choices for the population of the planet and their leaders that will enhance humanity's ability to survive and prosper through the solar system?

With understanding of the present and historical Sun-Earth System, is it possible to recognize other locations within our galaxy (and eventually the universe) where other forms of life may exist?

Paradigm for Development

